

Analog Design Contest

Judging Criteria



Analog Design Contest

Bring ideas to life and get noticed



The full legal definition of the contest rules and judging criteria can be found under the Analog Design Contest section at: www.ti.com/EUP

The Analog Design Contest involves two rounds of judging:

- **Round 1:** Each design report will be judged by at least two competent Tlrs, who are experienced in analog and systems design. There will be twenty winning teams selected from Round 1.
- **Round 2:** The top twenty winning teams from Round 1 will automatically proceed to the second level of judging. These top twenty teams will compete against each other to win the “Engibous Prize For Innovation In Analog” (“Engibous Prize”).

The judges are different for the two rounds of judging:

- **Round 1:** Each design report will be judged exclusively by at least two competent Tlrs.
- **Round 2:** The top twenty entries from Round 1 will be judged by three individuals with relevant experience in this field:
 - Eminent Analog Tler
 - University Professor
 - Industry Professional

The judges will determine the winning teams based upon the highest total score. The judges for the contest will be required to be fair and impartial.

The odds of winning will be influenced by the total number of eligible designs submitted.

Decisions by the judges are final.

The same assessment criteria will be used in both rounds of the competition.

Each criterion is worth a maximum of 10 points. With 10 points being exceptional, 5 points being average and 0 points being no competence.

The six judging criteria are:

- **Idea/Concept/Originality:**
 - **10 points:** A unique idea.
 - **5 points:** An average idea that other people have used before but new ideas have been added.

- **0 points:** An idea used many times in the past with well known solutions.
- **Engineering:**
 - **10 points:** High quality of engineering displayed. A deep analysis of the methods and tools chosen. Clear analysis of the results with the best approach being used to achieve the results.
 - **5 points:** Good engineering skills displayed with some analysis of the methods and tools chosen. The methods chosen were not the best way for achieving the results.
 - **0 points:** Poor engineering skills displayed with no analysis of the methods and tools chosen. No analysis of the results provided.
- **Analog:**
 - **10 points:** High competence and ability in the field of Analog. Useful tools have been used in the design (e.g. TINA TI, Swift, Spice). Excellent understanding of analog principles.
 - **5 points:** Some competence in the field of analog displayed. Some useful tools have been used and some understanding of key analog principles is displayed.
 - **0 points:** No ability or understanding demonstrated in the field of analog and no useful tools were used.
- **Benefits of chosen TI tools/devices:**
 - **10 points:** Excellent analysis of the tools/devices chosen and the benefits that they provide. Tools/devices chosen are a good choice and were the most suitable.
 - **5 points:** Good analysis of the tools/devices chosen. Tools/devices chosen are a good choice but better alternatives could have been selected.
 - **0 points:** No discussion on the benefits of the tools/devices chosen. Poor choice of tools/devices and not suitable.
- **Practicality:**
 - **10 points:** Design developed and built by the team. Design worked and successfully met the objectives set.
 - **5 points:** Design built but did not work. Clear analysis provided as to why the design did not work and meet the desired objectives.
 - **0 points:** Design is not built or is built but does not work and no analysis is provided as to why it did not meet the objectives that were set.
- **Report Quality:**
 - **10 points:** High quality report that clearly conveys the chosen idea and work carried out. Effective and relevant diagrams and illustrations are used. Report is structured well and easy to understand.
 - **5 points:** Average quality report with limited structure. Some diagrams and illustrations are used.
 - **0 points:** Poorly structured and written report. No diagrams or illustrations used. Report is hard to understand.